

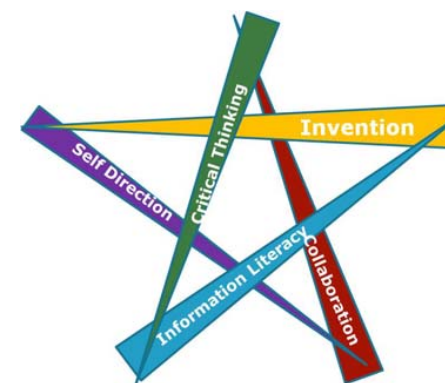
Resources

- *DCSD Librarians Teach 21st Century Skill for a World Class Education.* Douglas County School District.
- Erickson, H.L. *Stirring the Head, Heart, and Soul: Redefining Curriculum and Instruction, 3rd ed.* Thousand Oaks, CO: Corwin, Press, Inc. 2008.
- *ISTE Nets for Students: International Society for Technology in Education, National Education Technology Standards for Students.* http://www.iste.org/standards_nets_for-students.aspx
- *P21 Common Core Toolkit: A Guide to Aligning the Common Core Standards with the Framework for 21st Century Skills.* <http://www.p21.org/storage/documents/P21CommonCoreToolkit.pdf>
- *Survive and Thrive: An Advocacy Kit for School Librarians.* 21st Century Skills Taglines. Colorado Association of School Librarians. <https://sites.google.com/site/caslsurvive/>

21st century Skills means shifting from a two- dimensional curriculum design to a three-dimensional design (H.L. Erickson, 2008).

Traditional Curriculum = 2 Dimensional	21st Century Curriculum = 3 Dimensional
Coverage Centered	Idea Centered
Topic-Based	Concept-Based
Example: “We will learn important facts and dates about the American Civil War.” <i>Intellectually Shallow</i>	Example: “Through the study of the American Civil War, we will learn about patterns of conflict/change over time and across nations. <i>Intellectual Depth</i>

Colorado Standards 21st Century Skills: Transformative Teaching



Critical Thinking

Think Deep, Think Differently

Collaboration

Work Together, Learn Together

Information Literacy

Untangle the Web

Invention

Create Solutions

Self Direction

Own Your Learning



Becky Russell, MLS |Library/21st C. Skills Specialist | Colorado Department of Education |303.866.6772 | russell_b@cde.state.co.us



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Critical Thinking

Think Deep, Think Differently

Students analyze information, solve problems, and create new knowledge.

Example: After reading current teen literature to explore social issues, student teams choose one social issue and research it using nonfiction text. Students use digital media to create a social awareness advertisement (DCSD, 2012).



Collaboration

Work Together, Learn Together

Students communicate and work collaboratively to support learning and contribute to the learning of others.

Example: Student teams share their evaluation criteria for various projects with one another using Google forms and/or Google comments (DCSD, 2012).

Information Literacy

Untangle the Web

Students use tools to gather and evaluate information to determine validity and reliability.

Example: Student teams use reliability/validity criteria to recommend web sites for a class research project. Class/teacher determines if recommended web sites should be uploaded to teacher web page for access for research project use (DCSD, 2012).

Invention

Create Solutions

Students assess real-world problems and invent new solutions. A focus on creativity is essential to prepare students for the future.

Example:

Students create cyber-bullying podcasts for teacher use (DCSD, 2012).

Self Direction

Own Your Learning

Students set goals, organize their assignments and manage their academic time to develop a strong, balanced work ethic.

Example:

Students develop professional e-portfolios and organize their learning using Google Apps (DCSD, 2012).



21st century Shifts in Teaching Practice

- Designing lessons that foster student collaboration
- Developing lessons and units that are purposeful and encourage student-led inquiry and critical thinking skills
- Move from “teacher as lecturer” to “teacher as facilitator”
- Designing lessons around concepts rather than on content and looking for integrated opportunities for teaching

Suggestions in Planning for Professional Learning Shifts

- Develop teacher learning communities
- Provide structure and coaching so that educators can practice collaborating and backwards planning
- Provide guidance on concept-based (as opposed to content-driven) instruction